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UTILITY PATENT APPLICATION **TRANSMITTAL**

YAMAP0918US Attorney Docket No. Hooper et al. First Inventor A VERTICAL CAVITY . . . Title EV164823679US Express Mail Label No.

(Only for new nonprovisional applications under 37 CFR 1.53(b))

	ADDLICAT	ION ELEMENTS	1				
			ADDRESS TO: P.O. Box 1450				
See MPEP chapter 600 concerning utility patent application contents.			Alexandria VA 22313-1450	0			
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. 1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. Specification [Total Pages 19] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. Drawing(s) (35 U.S.C. 113) [Total Sheets 6] Informal 5. Oath or Declaration [Total Sheets 2] a. Newly executed (original or copy) Unsigned b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).		(e.g., PTO/SB/17) duplicate for fee processing) entity status. [Total Pages 19					
۰	landan Data Ob	0 07 OFD 4 70	(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.				
6. Application Data Sheet. See 37 CFR 1.76			17. Other: Cert. Express Mail; Check				
				••••			
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:							
Continuation Divisional Continuation-in-part (CIP) of prior application No.:							
Prior application information: Examiner Art Unit: For CONTINUATION OR DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.							
19. CORRESPONDENCE ADDRESS							
Customer Number: OR Correspondence address below							
Name	Mark D. S	Garalino					
Address	Renner, Otto, Boisselle & Sklar, LLP 1621 Euclid Avenue, Nineteenth Floor						
City							
Country	U.S.		2/2000				
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USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/17 (10-03) Approved for use through 07/31/2006. OMB 0651-0032

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FEE	TR	AN	SMI	TT	AL
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(\$) 824.00

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

Complete if Known					
Application Number	Not yet assigned				
Filing Date	Herewith				
First Named Inventor	Hooper et al.				
Examiner Name	Not yet assigned				
Art Unit	Not yet assigned				
Attorney Docket No.	YAMAP0918US				

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Check Credit card Money Other None	3. AD	3. ADDITIONAL FEES				
Deposit Account:	Large E	Large Entity Small Entity				
Deposit Account 18-0988		Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Number	1051	130	2051	65	Surcharge - late filing fee or oath	
Deposit Renner, Otto, Boisselle & Sklar, LLP	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
The Director is authorized to: (check all that apply)	1053	130	1053		Non-English specification	
Charge fee(s) indicated below Credit any overpayments	1812 2	2,520	1812	2,520	For filing a request for ex parte reexamination	
Charge any additional fee(s) or any underpayment of fee(s)	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805 1	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	
1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month	
Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month	
Fee Fee Fee Fee Fee Description Fee Paid Code (\$)	1254 1	1,480	2254	740	Extension for reply within fourth month	
1001 770 2001 385 Utility filipg fee	1255 2	2,010	2255	1,005	Extension for reply within fifth month	
1002 340 2002 170 Design filling fee 770.00	1401	330	2401	165	Notice of Appeal	
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451 1	1,510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 770.00	1452	110	2452	55	Petition to revive - unavoidable	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453 1	1,330	2453	665	Petition to revive - unintentional	
Fee from	1501 1	,330	2501	665	Utility issue fee (or reissue)	
Total Claims		480	2502	240	Design issue fee	
		640	2503	320	Plant issue fee	
The period 1 -3** =	1460	130	1460	130	Petitions to the Commissioner	
'_ '		50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1806	180	1806		Submission of Information Disclosure Stmt	
Code (\$) Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1202	1809	770	2809		Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be	
1204 86 2204 43 ** Reissue independent claims over original patent	1801	770	2801		examined (37 CFR 1.129(b))	
1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802		Request for Continued Examination (RCE) Request for expedited examination	
and over original patent	Others	I /	: c .		of a design application	
SUBTOTAL (2) (\$) 54.00	Other fo			ilina Sa	ee Paid	
**or number previously paid, if greater; For Reissues, see above	i veduc	eu by	Dasic r	mily Fe	SUBTOTAL (3) (\$) 0.00	
CHIDMITTED BY						

Registration No. Mark D. Saralino Name (Print/Type) 34,243 Telephone (216) 621-1113 (Attornev/Agent) Signature For Mark D. 3/24/2004 SAVALONO

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CERTIFICATION UNDER 37 CFR 1.10

• • •	olication (along with any other paper referred sposited with the United States Postal Service
on this date March 24, 2004	, in an envelope as "Express Mail Post
	EV164823679US addressed to: Mai
Stop Patent Application, Commissioner for 22313-1450.	Patents, P.O. Box 1450, Alexandria, Virginia
David Friedman	
Typed or Printed Name of Person Mailing P	aper
(Signature of Dorson Mailing Donor)	of time
(Signature of Person Mailing Paper)	